

**United States Department of Energy**

**Keynote Address For:**

**The Evolution of Combustion Technology  
to Support National Energy Needs  
Workshop**

**Presented By:**

**Robert J. Sansone**

**Vice President**

**Global Energy Engineering**



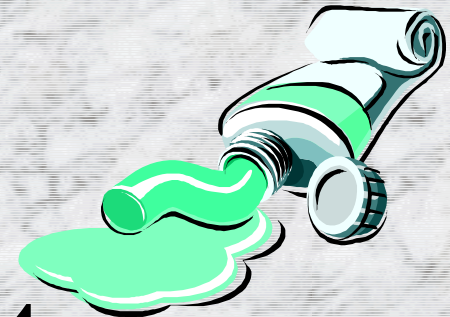
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# “Putting the Paste Back Into the Tube”

*Or...*



## Welcome to Re-Regulation

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# ***Workshop Objective:***

**Build consensus on RD&D needs to overcome the technical, economic, regulatory, market, and environmental barriers to allowing combustion technologies to provide the Nation with an environmentally superior, affordable, and uninterrupted supply of coal based electrical power.**



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**As with any industry, we need to know our history. Here are examples of what can happen when history isn't well understood...**

**ACTUAL ANSWERS AND SPELLING IN A 6TH GRADE HISTORY TEST (sic!!):**

**1.. Socrates was a famous Greek teacher who went around giving people advice. They killed him. Socrates died from an overdose of wedlock. After his death, his career suffered a dramatic decline.**

**2. It was an age of great inventions and discoveries. Gutenberg invented removable type and the Bible. Another important invention was the circulation of blood. Sir Walter Raleigh is a historical figure because he invented cigarettes and started smoking. Sir Fransis Drake Circumsized the world with a 100-foot clipper.**

**3. The greatest writer of the Renaissance was William Shakespeare. He was born in the year 1564, supposedly on his birthday. He never made much money and is famous only because of his plays. He wrote tragedies, comedies, and hysterectomies, all in Islamic pentameter. Romeo and Juliet are an example of a heroic couple. Romeo's last wish was to be laid by Juliet.**

**4. Writing at the same time as Shakespeare was Miguel Cervantes. He wrote Donkey Hote. The next great author was John Milton. Milton wrote Paradise Lost. Then his wife died and he wrote Paradise Regained.**

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**Last year I said:**  
**“We have good news and bad news...”**

- **The bad news is, I think we’re about to screw up our power infrastructure!**
- **The good news is... they’ve re-discovered coal as a solution!**

**Bad?**

**Good?**



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# Was I close? Some recent headlines... you be the judge...

**California Pays Its Grid Operator  
\$404.8 Million for Power  
Purchases**

**By REBECCA SMITH**

Staff Reporter of THE WALL STREET JOURNAL

**Arkansas' Stalled Electric  
Deregulation Has Frozen \$120  
Million Fund**

**Jeffrey Tomich , Arkansas Democrat-  
Gazette, Little Rock**

**Commission to Re-  
Examine Energy  
Deregulation**

*The Arizona Republic*

**Enron's Swoon Imperils  
Grand Experiment  
In **Deregulation** of Nation's  
Power Markets**

**By REBECCA SMITH**

Staff Reporter of THE WALL STREET JOURNAL

****PG&E:** Bankruptcy Exit Plan Requires No  
Rate Increase**

*Dow Jones Newswires*

**Power Industry Cuts Plans for New  
Plants, Posing Risks for Post-  
Recessionary Period**

By: REBECCA SMITH THE WALL STREET JOURNAL

**Debt-Laden Energy Companies  
Look to Mop Up Balance  
Sheets**

**POWER POINTS: Wall St. May Knock Bloom Off  
**Deregulation** By MARK GOLDEN**



# So where is coal on the radar screen?

## ■ **Bush counts on industry's clean-coal technology.**

Wednesday, April 18, 2001

By Seth Borenstein, Knight Ridder  
Washington Bureau

— **SIUC awards \$9.2 million  
to 7 clean-coal projects**

[By Paula M. Davenport](#)

## ■ **Commercial Sales of Low-Polluting**

**Clean Coal Burner Top \$1 Billion**  
Abraham Says Commercial Success Shows  
Benefits of Clean Coal Investment



# So with all of this, how do we put the paste back into the tube?

- **Challenge - 9/11... risk capital for projects and new technology**
- **Opportunity- plentiful domestic source of energy (can you say coal? )**
- **Challenge- Environmental performance**
- **Opportunity- Your nation needs this !!**



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# *The Power Generation Industry:* **“The toothpaste is out of the tube”**



- **Deregulation is fixing a system that wasn't fundamentally broken!**
- **The upshot is that it has detrimentally affected a number of industries.**
- **Clean coal combustion technology is one answer we need to succeed with.**
- **Let's make sure it is a major factor in re-regulation!**



# Thank you!



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